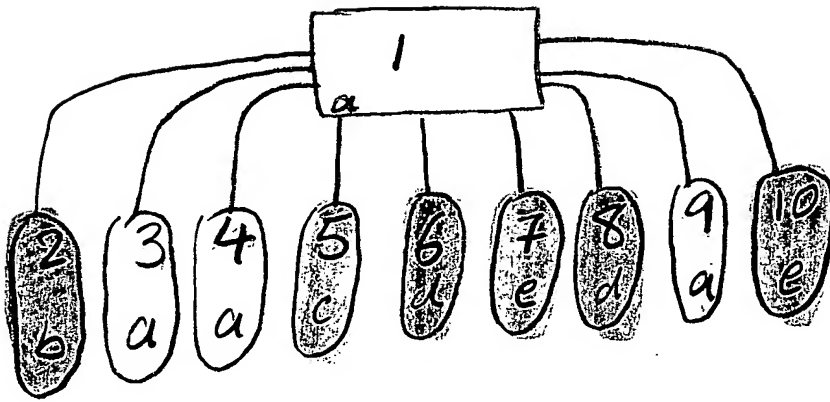# Claim Tree
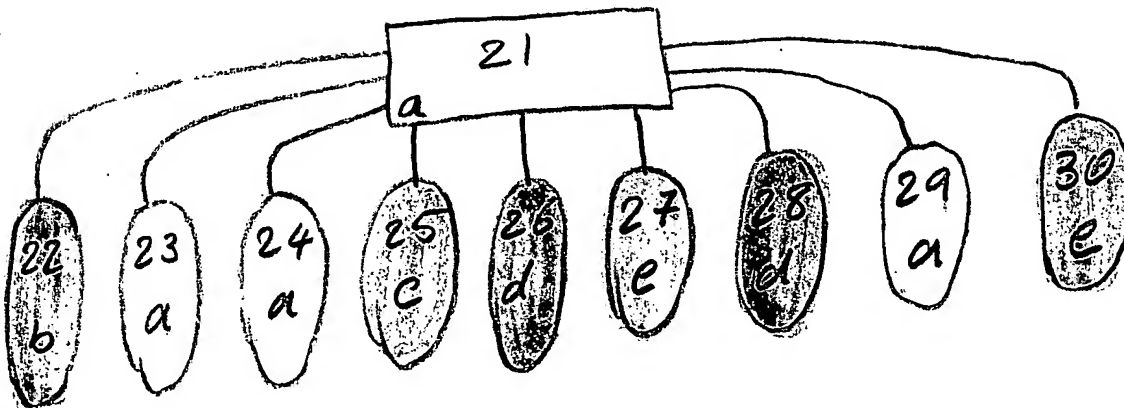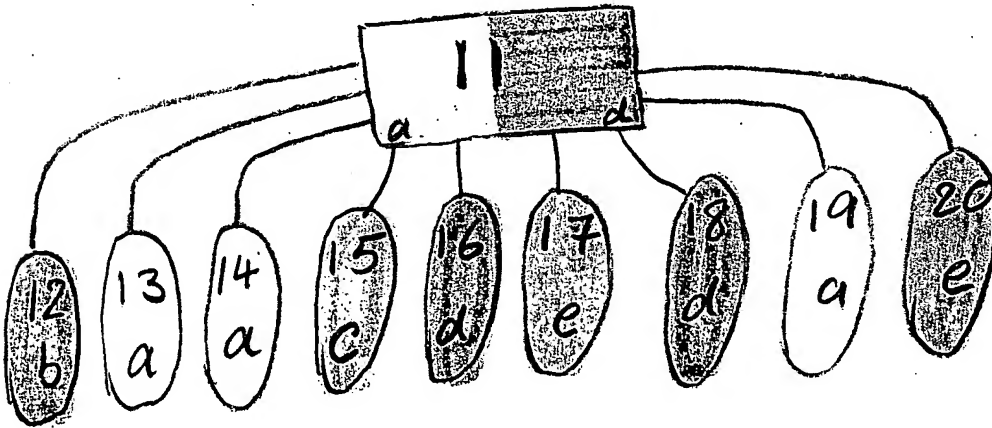

a. Gopiknath
b. Shoaib
c. Matta
d. Jouppi
e. Guilford

Communication Claim Diagram

class of service
traffic class

1. In a mobile Device: a method to select channel (network) from tables which contain "QoS" & system Identification due to app being executed on mobile device.
   - Scanning for communications networks in the coverage area.

2. create multiple network selection tables for different Traffic classes based on past network service history

3. multiple network selection tables include
   a Prefered roaming list associated with a voice app.
   and an additional network selection table associated with a web browser app.

4. Software applications comprise of at least two of:
   a. video player app.
   b. Audio   "   "
   c. video game   "
   d. Voice over IP   "
   e. email   "
   f. Internet data   "

5. "QoS" criteria comprises one of:
   a. delay criterion
   b. delay variation criterion
   c. data loss criterion

6. Network selection tables are Preprogrammed

(7) "QOS" criteria comprises of at least two of:

    a. band width criterion

    b. delay criterion

    c. delay variation criterion

    d. data loss criterion

(8) Traffic classes include at least two of:

    a. background traffic class

    b. interactive traffic class

    c. streaming traffic class

(9) Preference is based on Previous access attempts. for each system I.D.

(10) Priority is based on Previous access attempts for each system I.D.

[11] Mobile Communication Device: Comprising

  a. memory

  b. multiple software apps.

  c. n network selection tables

  d. each network selection table corresponds to a traffic class which is based on "QOS" plus system ID's.

  e. one or more Processors

  f. Processors can execute apps.

  g. select one of network selection tables based of

h. scan to find wireless networks in the coverage area
&
select one of networks found based on the table
of Traffic class of executed app.

(12) Processor or Processors construct the tables of
traffic classes based on Past network service history

(13) tables include Preffered roaming list associated
with a voice app. and an additional table
associated with a web browser app.

(14) software apps comprise of at least two of:
   a. video player app
   b. audio player app
   c. video game   "
   d. Voice over IP   "
   e. email app
   f. internet data app.

(16) network selection tables are Pre Programmed

(15) "QoS" Criteria comprises one of:
   a. delay criterion
   b. delay veriation criterion
   c. data loss   "

17) "QOS" Criteria comprises at least <u>two</u> of:
    a. bandwidth Criterion
    b. delay   "
    c. delay variation   "
    d. data loss   "

18) Traffic classes include at least two of:
    a. back ground Traffic class
    b. interactive   "   "
    c. streaming   "   "

19) Preference is determined for each one of
the system ID.'S in each network table

20) Priority is determined for each one of
the system ID'S in each network table

21) computer Program for [1]

22) construct network selection tables of traffic classes
based on past network service history.

23) tables include Preffered roaming list associated
with a voice app. and an additional table associated
with a web browser app.

(24)   Program   of   14

                "   15

(25)   "   "   16

         "

(26)   "   "   17

(27)   "   "   18

         "   "   19

(28)   "

(29)   "   "   20

(30)   "